BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work :-Providing chain link fencing to open space in 'B' sector in ward No 04 of YST sub Division

Estimated cost : Rs 15.50 Lakhs

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : **Earth work excavation for foundation** of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, specification, specification, No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2012-13								
	For Fence-1	**Cum**	58	0.60	0.60	0.60	12.53		
	For Fence-2		40	0.60	0.60	0.60	8.64		
	For Fence-3		1	170.00	0.75	0.60	76.50		
							97.67	190.80	18635.00
	Basic rate	187.00							
	Add 6% AW	11.22							
		198.22							
2	KSRB 2-1.1: **Earth work in surface excavation in ordinary soil for levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2012-13								
	Fencing-1	**Cum**	1	9.60	45.00	0.15	64.13		
			1	20.00	25.00	0.15	75.00		
	Fencing-2		1	27.00	25.00	0.15	101.25		
	Fencing-3		1	32.00	50.00	0.15	240.00		
							480.38	108.00	51881.00
	Basic rate	104.00							
	Add 6% AW	6.24							
		110.24							
3	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix **M 7.5 with**OPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, Specification No. KBS 4.1.4.2,(P. No 12 It No. 4.3 of PWD SR 2012-13)								
	Fencing-3	Cum	1	170.00	0.60	0.15	15.30		

							15.30	3884.76	59437.00
	Basic rate	3597.00							
	Add 8% AW	287.76							
		3884.76							
4	KSRB 5.2-3 : Providing and **constructing granite / trap / basalt** size stone masonry **in foundation cement mortar** 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. (P.25 It No. 5.6)								
	Fencing-3	Cum	1	170.00	0.60	0.45	45.90		
							45.90	2710.42	124408.00
	Basic rate	2557.00							
	Add 6% AW	153.42							
		2710.42							
5	KSRB 5.3-2 : Providing and **constructing granite / trap / basalt size stone masonry** in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.25 It No. 5.8)								
	Fencing-3	**cum**	1	170.00	0.45	0.45	34.43		
							34.43		
	Deduct for pole concrete		70	0.45	0.45	0.45	6.38		
							6.38		
	Basic rate	2952.00				**Net**	**28.05**	3023.12	84787.00
	Add 6% AW	171.12							
		3023.12							
6	KSRB-4-1.6 : Providing and laying in position plain cement concrete of mix **M 15 withOPC cement** @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not, exceeding 15cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2/ P No 12/ Item No. 4.6/ PWD SR 2012-13								
	For fixing of Poles fence-1	**cum**	58	0.60	0.60	0.60	12.53		
	For fixing of Poles fence-2		40	0.60	0.60	0.60	8.64		
	For fixing of Poles fence-3		70	0.45	0.45	0.45	6.38		
	For coping fence-3		1	170.00	0.45	0.10	7.65		
							35.20	4327.98	152331.00
	Basic rate	4083.00							
	Add 6% AW	244.98							
		4327.98							

7	**Providing flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 119/ Item No. 15.1 PWD SR 2012-13								
	Fencing-3	**sqm**	2	170.00		0.40	136.00		
							136.00	71.39	9709.00
	Basic rate	66.10							
	Add 8% AW	5.29							
		71.39							
8	Supplying and fixing **M.S. Rectangular poles** made out of 2 equal angles of **65x65x6 mm** welded together and fixed in CC (1:2:4) WITH 2 NOS 15mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineer-in-charge of the work and including providing **2 coats of approved quality paint** over one coat of shop painting. (excluding cost of earth work and concrete)(P 232 II 37.2)								
	Fencing 1	**mtr**	58	2.20			127.60		
	Fencing 2		40	2.20			88.00		
	Fencing-3		70	2.10			147.00		
							362.60	1057.32	383384.00
	Basic rate	979.00							
	Add 6% AW	78.32							
		1057.32							
9	Providing **chain link fencing 50mm size of 8 guage** properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts, cutting, bending wherever necessary, wastage and lapping etc complete as per direction of the Engineer-in-charge of work including **two coats of approved quality paint** over one coat of shop paint.(P 232 II 37.3)								
	Fencing 1	**sqm**	1	144.00	1.50		216.00		
	Fencing 2		1	100.00	1.50		150.00		
	Fencing-3		1	170.00	1.50		255.00		
							621.00	574.56	356802.00
	Basic rate	532.00							
	Add 6% AW	42.56							
		574.56							

10	Providing and fixing **M.S. Block pipe of 38mm dia**, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including **two coats of approved quality paint** over one coat of shop paint (P 232 I; 37.4) Basic Rate 243.0+6%=257.58/mtr								
	Fencing 1	**mtr**	2	144.00			288.00		
	Fencing 2		2	100.00			200.00		
	Fencing-3		2	170.00			340.00		
							828.00	267.84	221772.00
	Basic rate	248.00							
	Add 6% AW	19.84							
		267.84							
11	**Providing and fixing M.S Gate** as per Cheaf Architect Drawing using 50mmX50mm 14 guage M.S hollow pipe frame work bent to ornamental shape as shape as shown in the drawing and 35mmX6mm and 16X16mm squre roads for verticals alternatively spaced at 4cms c/c in two halves and 40mmX6mm M.S flats for horizontal member and at at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of of rust and painted with anti corrosive paint (shop paint) etc., complete the work includes cost of all materials, labour charges for all item of work, hire charges of welding, cutting and grainding equipment, and electricity charges, with lead and lift loading and lunloading charges etc., complete as per specification and drawing Page No.47/ I No. 7.37/ PWD SR 2012-13								
	For gales	**sqm**	2	3.00	1.50		9.00		
	For gate		1	4.00	1.50		6.00		
							15.00	3155.76	47336.00
	Basic rate	2922.00							
	Add 6% AW	233.76							
		3155.76							
12	**Lead for Disposal of** Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading, for 7.00 Km Average Weight of Earth 1.28 Ton/Cum. (PWD SR 2012-13 P.118/I.17.1) Basic Rate Lead 1.28x2.0x 7 17.92 loading and unloading 62.20 80.12 /cum.								
		Cum	Qty. Vide Item No. 1				**480.38**	80.12	39489.00

15	Miscellaneous and unforeseen charges						L.s	1030.00
							Total	1550000.00

(Rupees fifteen lakhs fifty thousand only)

CERTIFICATE :

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per P.W.D S.R of 2012-13
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer
ward No 04

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP, Bangalore

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

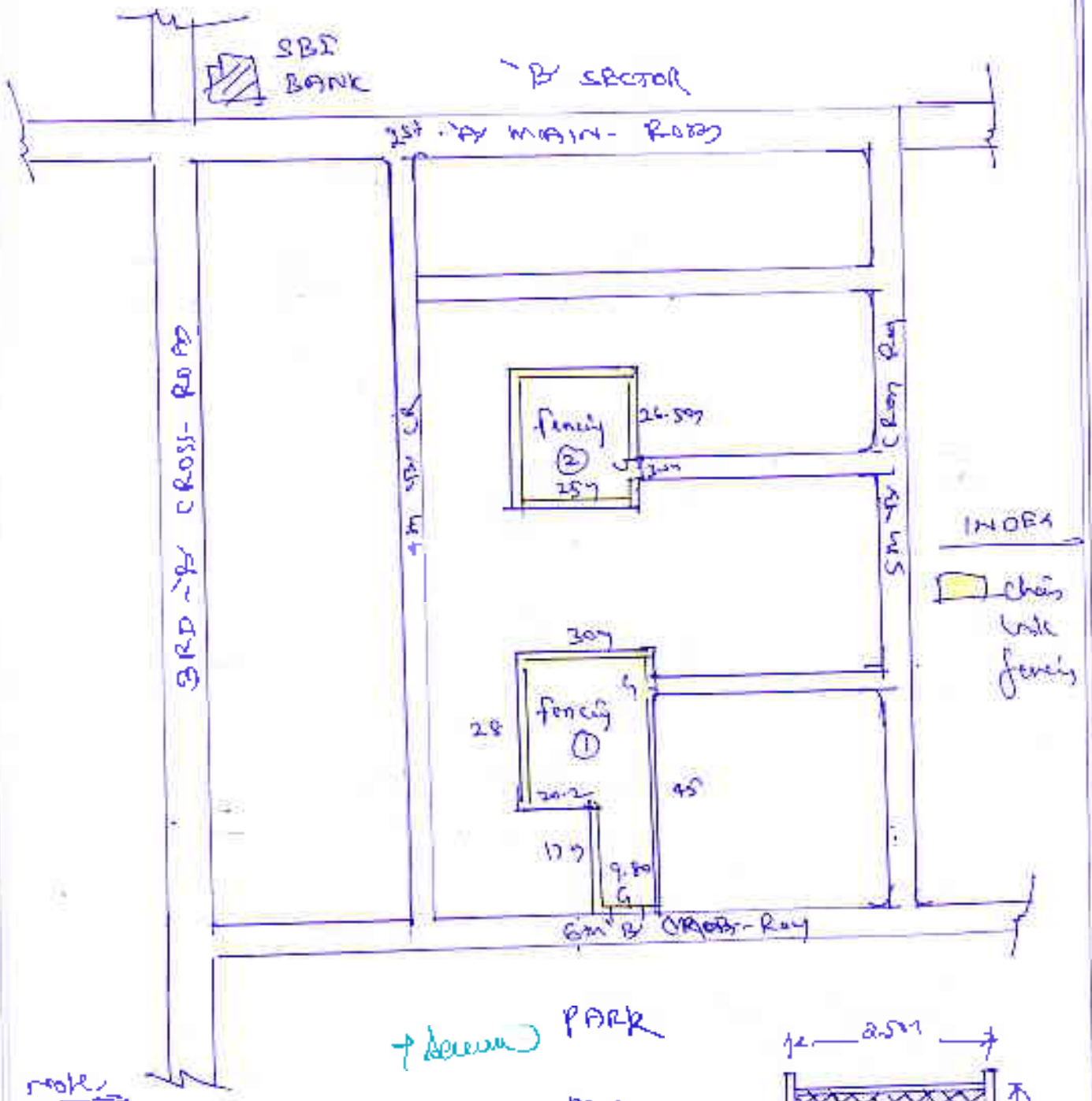
15.50 Lac
Fifteen Lakhs & Fifty Thousand only
P 1771 General Works

EE/YNK/TS/Apd/12-13
Dated 08-01-2013 15.50 Lacs

ADMINISTRATIVELY SANCTIONED FOR Rs 15,50,000/-
Rupees Fifteen lakhs & fifty Thousand only
Under P 1771 General Works
Registered in EE( ) No _____ / 13-14
Subject to conditions contained in enclosed memo EE( ) No _____ dt. _____
Dy. Estimate Administrated
Bbmp/SE/AA/B23/12-13
dated 07/01/2013 Rs. 15,50,000/-

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92.

Name of Work — Providing chainlink fencing to open space in "B" sector in W-04 of YSR-SUB-Divn



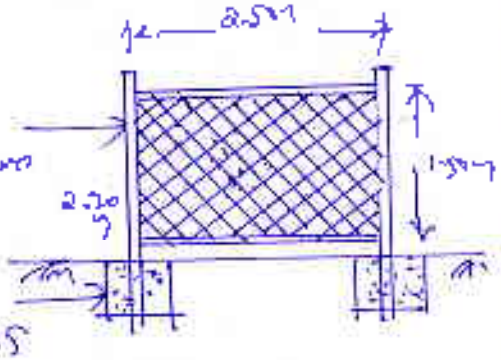
Note:

Length of fencing-1 = 114m

Length of fencing-2 = 100m

Gate. Size = 1 no 3.00m x 1.50m

21/2019



C/s of fencing-1 at ②